



Atty. Docket No. AP33451 (070180.0144)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joachim Kramer *et al.*
Serial No. : 09/923,716 Examiner : Counts, Gary W.
Filed : August 7, 2001 Group Art Unit : 1641
For : PROCESS FOR DETECTING THREONINE/SERINE KINASE
ACTIVITY

SUBMISSION OF FIFTH SUBSTITUTE SEQUENCE LISTING

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 6, 2005

Date of Deposit

Peter J. Shen

Attorney Name

Signature

52,217

PTO Registration No.

January 6, 2005

Date of Signature

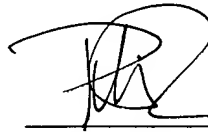
Mail Stop Amendment
Commissioner for Patents
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Sir:

This paper is being filed in connection with the response to the non-final Office Action mailed on June 25, 2004 that was issued in connection with the above-identified patent application. Applicants submit herewith a Substitute Fifth Sequence Listing in paper and computer readable form. Support for the sequences listed in the Fourth Substitute Sequence Listing may be found in the specification as filed, at paragraph [0018]. Therefore, the revised

sequence listing does not constitute new matter. The paper copy of the Substitute Fifth Sequence Listing and the computer readable form, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), and filed herewith, are the same. The paper copy of the Substitute Fifth Sequence Listing is included in the concurrently filed petition for incorporation into the specification.

Respectfully submitted,



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